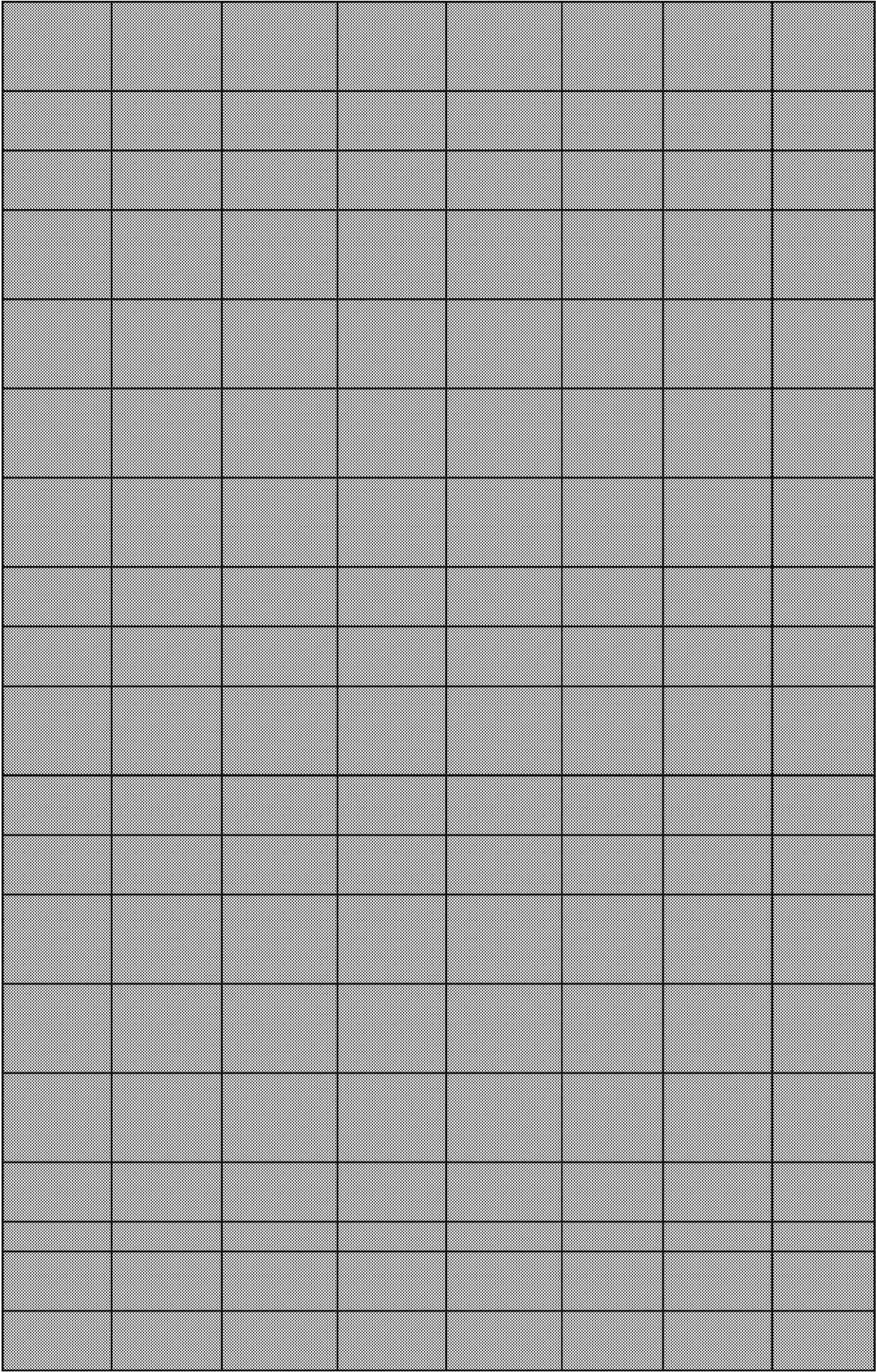


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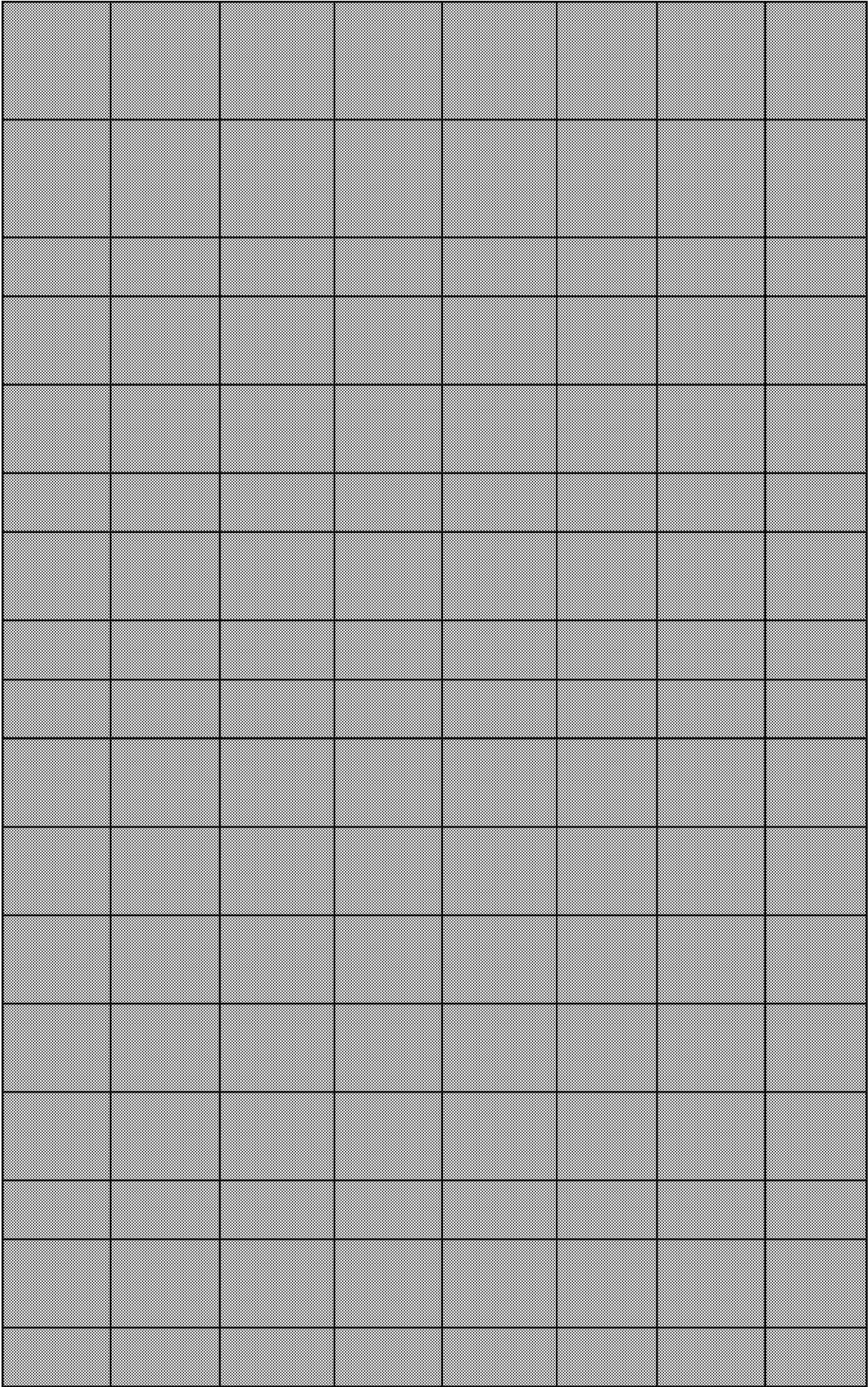
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J. Jebali, E. Chicano-Galvez, M. Banni, H. Guerbej, H. Boussetta, J. Lopez-Barea, J. Alhama. Biochemical responses in seabream ( <i>Sparus aurata</i> ) caged in-field or exposed to benzo(a)pyrene and paraquat. Characterization of glutathione S-transferases. <i>Ecotoxicol Environ Saf.</i> 2013. 88:169-77
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Gilthead seabream ( <i>Sparus aurata</i> ) specimens were caged in-field at the Teboulba harbour or exposed to benzo(a)pyrene
Dissolved organic matter from natural sources (DNOM) is omnipresent in aquatic ecosystems. Besides affecting bioavailability
The binding of fluorodifen, fenarimol, acifluorfen, 2,4-DES, methyl parathion, paraquat and pyrazophos by alpha, mu and
Regulation of the biliary excretion of reduced glutathione (GSH) and glutathione disulfide (GSSG) and responses to select
As obligate blood-sucking ectoparasites, to avoid tissue damage, ticks must neutralize the reactive oxygen species (ROS)
The purpose of this study was to examine the possibility of using <i>Artemia salina</i> as a test organism in the search for comp
A new chloroplastic Cu/Zn-superoxide dismutase (SOD) isoenzyme was identified in <i>Arabidopsis thaliana</i> ecotype Cvi. Ge
Reports on stress response of tobacco expressing a bacterial glutathione reductase (GR) do not agree. To clarify this situa
Ascorbate is the most abundant small molecule antioxidant in plants and is proposed to function, along with other membe
A cotton ( <i>Gossypium hirsutum</i> L.) control and NaCl-tolerant cell line (cv Coker 312) were grown on media with or without
Lead (Pb) and paraquat (PQ) have different toxic mechanisms associated with cell damage. Pb may induce alterations in
Contaminant-related changes in antioxidative processes in the freshwater crustacea <i>Daphnia magna</i> exposed to model re
Today, the information from model species that differ in their resistance to oxidative stress and the determination of suit
Psychollatine is a monoterpene indole alkaloid produced and accumulated by <i>Psychotria umbellata</i> Vell. (Rubiaceae) leav
The antioxidant hesperidin, a major flavonoid in sweet orange and lemon, was evaluated using chemical and biological sy
Much has been published on the non-enzymatic antioxidant L-ascorbic acid (vitamin C), but even so its interaction with e
Paraquat, a widely used herbicide, has been reported to be capable of producing superoxide. In the present paper, there

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D. Lieb, I. Kenkell, J. Lj. Miljkovic, D. Moldenhauer, N. Weber, M. R. Filipovic, F. Grohn, I. Ivanovic-Burmazovic. Amphiphilic pentaazamacrocyclic manganese superoxide dismutase mimetics. <i>Inorg Chem.</i> 2014. 53:1009-20
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Five newly functionalized pentaazamacrocyclic manganese complexes, with variable lengths and amounts of the aliphatic
Amphiphilic 3-(alkanoylamino)propyldimethylamine-N-oxides with different length of the alkyl chain, i.e. different hydro
The effect of herbicide paraquat has been assessed on CHO-K1 cultures at different concentrations. Glutathione peroxidase
The sequential changes of the activity of peroxide metabolism enzymes and thiobarbituric acid reaction substance (TBAR
Hydrogen gas (H <sub>2</sub> ) induces plant tolerance to several abiotic stresses, including salinity and paraquat exposure. However
Several enzymes, including superoxide dismutase (SOD), catalase, glutathione peroxidase, and D-glucose-6-phosphate de
All members of <i>R. glutinosa</i> show the unique characteristic of intrinsic tolerance to paraquat (PQ). Antioxidant enzymes h
"Oxidative stress" takes place in animal tissues when the balance between the cellular defense mechanisms (glutathione
Cn (calcineurin) activity is stabilized by SOD1 (Cu-Zn superoxide dismutase), a phenomenon attributed to protection from
The histochemical and cytochemical localization of abscisic acid (ABA)-induced H <sub>2</sub> O <sub>2</sub> production in leaves of maize ( <i>Z</i>
Antioxidant enzymes, such as superoxide dismutase (SOD) and catalase (CAT), have been considered to have a beneficial
To demonstrate the superoxide radical (.O <sub>2</sub> (-)) -scavenging activity of 2-mercaptoethylamine (MEA), we investigated th
Aerobic microorganisms have evolved different strategies to withstand environmental oxidative stresses generated by va
Polyamines participate in numerous cellular processes and are required for normal cell growth in <i>Escherichia coli</i> . In this
In etiolated seedlings, light perceived by phytochrome promotes the expression of light-harvesting chlorophyll a/b prote
<i>Borrelia burgdorferi</i> , the causative agent of Lyme disease, alters its gene expression in response to environmental signals

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